

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 56.W01	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 99/02058	International filing date (day/month/year) 20/12/1999	(Earliest) Priority Date (day/month/year) 22/12/1998
Applicant GENSET et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.
☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:
- ☒ contained in the international application in written form.
- ☒ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☒ Unity of invention is lacking (see Box II).

4. With regard to the title,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established by this Authority to read as follows:

DNAS ENCODING PROTEINS WITH SIGNAL SEQUENCES

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/IB 99/02058

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/10 C12N9/00 C07K14/47 C07K14/705

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 45437 A (GENETICS INST) 15 October 1998 (1998-10-15) the whole document especially seq.id.no.1506 ---	1-30
X	WO 98 31818 A (HUMAN GENOME SCIENCES INC ;BREWER LAURIE (US); NI JIAN (US); ROSEN) 23 July 1998 (1998-07-23) the whole document especially seq.id.no.1 142 --- -/--	1-30



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

9 June 2000

Date of mailing of the international search report

25. 8. 00

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-2016

Authorized officer

Panzica, G

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 99/02058

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JACOBS K A ET AL: "A GENETIC SELECTION FOR ISOLATING CDNAS ENCODING SECRETED PROTEINS" GENE,NL,ELSEVIER BIOMEDICAL PRESS. AMSTERDAM, vol. 198, 1 October 1997 (1997-10-01), pages 289-296, XP002045919 ISSN: 0378-1119 ---	13-16
A	JACOBS K ET AL: "A NOVEL METHOD FOR ISOLATING EUKARYOTIC CDNA CLONES ENCODING SECRETED PROTEINS" JOURNAL OF CELLULAR BIOCHEMISTRY - SUPPLEMENT,10 March 1995 (1995-03-10), page 19 XP002027246 ---	13-16
A	SHIROZU M ET AL: "CHARACTERIZATION OF NOVEL SECRETED AND MEMBRANE PROTEINS ISOLATED BY THE SIGNAL SEQUENCE TRAP METHOD" GENOMICS,US,ACADEMIC PRESS, SAN DIEGO, vol. 37, no. 3, 1 November 1996 (1996-11-01), pages 273-280, XP002054773 ISSN: 0888-7543 ---	13-16
P,X	DE 198 16 395 A (METAGEN GES FUER GENOMFORSCHUN) 7 October 1999 (1999-10-07) the whole document especially seq.id.no 734 -----	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 99/02058

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9845437	A	15-10-1998	AU 6956798 A EP 0973899 A	30-10-1998 26-01-2000
WO 9831818	A	23-07-1998	AU 5923398 A AU 5927398 A AU 6030398 A AU 6241698 A EP 0972022 A EP 0972023 A EP 1007663 A EP 0972025 A EP 0988385 A WO 9831799 A WO 9831800 A WO 9831801 A WO 9831806 A AU 8066798 A WO 9856804 A	07-08-1998 07-08-1998 07-08-1998 07-08-1998 19-01-2000 19-01-2000 14-06-2000 19-01-2000 29-03-2000 23-07-1998 23-07-1998 23-07-1998 23-07-1998 30-12-1998 17-12-1998
DE 19816395	A	07-10-1999	WO 9951727 A	14-10-1999

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-30 (in part)

An isolated nucleic acid comprising the sequence as set forth in Se.id.no.24 of the sequence listing and an aminoacid sequence encoded by the same, having sequence as set forth in Seq.id.no.74. Methods of screening and isolation of said sequences.

2. Claims: 1-30 (in part)

Subjects from 2 to 49:

Same as for subject 1, but referring to the following couples of sequences (respectively DNA and aminoacid):

2: Seq.id.nos.25 and 75.

3: " " " 26 and 76.

...

49: Seq.id.nos.73 and 123.

INTERNATIONAL SEARCH REPORT

In ☐ International application No.
PCT/IB 99/02058

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-30 in part

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

PATENT COOPERATION TREATY

REÇU 21 AOUT 2000

PCT

From the INTERNATIONAL BUREAU

INFORMATION CONCERNING ELECTED
OFFICES NOTIFIED OF THEIR ELECTION

(PCT Rule 61.3)

To:

GENSET
Intellectual Property Dept.
24, rue Royale
F-75008 Paris
FRANCE

Date of mailing (day/month/year) 11 August 2000 (11.08.00)		
Applicant's or agent's file reference 56.WO1		IMPORTANT INFORMATION
International application No. PCT/IB99/02058	International filing date (day/month/year) 20 December 1999 (20.12.99)	Priority date (day/month/year) 22 December 1998 (22.12.98)
Applicant GENSET et al		

1. The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:

AP : GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW

EP : AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

National : AU, BG, BR, CA, CN, CZ, DE, IL, JP, KP, KR, MN, NO, NZ, PL, RO, RU, SE, SK, US

2. The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:

EA : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

OA : BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

National : AE, AL, AM, AT, AZ, BA, BB, BY, CH, CR, CU, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IN, IS, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, PT, SD, SG,
SI, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW

3. The applicant is reminded that he must enter the "national phase" **before the expiration of 30 months from the priority date** before each of the Offices listed above. This must be done by paying the national fee(s) and furnishing, if prescribed, a translation of the international application (Article 39(1)(a)), as well as, where applicable, by furnishing a translation of any annexes of the international preliminary examination report (Article 36(3)(b) and Rule 74.1).

Some offices have fixed time limits expiring later than the above-mentioned time limit. For detailed information about the applicable time limits and the acts to be performed upon entry into the national phase before a particular Office, see Volume II of the PCT Applicant's Guide.

The entry into the European regional phase is postponed until **31 months from the priority date** for all States designated for the purposes of obtaining a European patent.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer:


Pascal Pirlou

INTERNATIONAL SEARCH REPORT

International Application No.

PC1/US 98/00783

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/57 C12N9/64 C12N1/21 C12N1/19 C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EMBL/GENBANK DATABASES Accession no Y08617 Sequence identification MFTMDCIII 9 October 1996 HALL L.: "M.fascicularis mRNA for tMDC III protein" XP002069695 see the whole document ---	1-19, 40, 41
X	PERRY A C ET AL: "Analysis of transcripts encoding novel members of the mammalian metalloprotease-like, disintegrin-like, cysteine-rich (MDC) protein family and their expression in reproductive and non-reproductive monkey tissues." BIOCHEMICAL JOURNAL, vol. 312, 1995, pages 239-244, XP002069782 see the whole document especially figures 2 and 4 ---	1-19, 40, 41
-/--		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

1 July 1998

Date of mailing of the international search report

08.10.98

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentkan 2
NL - 2280 HV Rijswijk

Authorized officer

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 98/ 00783

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see further information sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-19, 40, 41

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

Admission on patent family members

PCT/US 98/00783

WO 9641624	A	27-12-1996	AU	6378196 A	09-01-1997
			EP	0830130 A	25-03-1998
			NO	975438 A	06-02-1998

INTERNATIONAL SEARCH REPORT

International Application No
PC/US 98/06956

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/12 C12N5/10 C07K14/47 C12Q1/68 A61K38/17

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N C07K C12Q A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 527 896 A (WIGLER MICHAEL H ET AL) 18 June 1996 SEQ ID no. 31, Accession no. 122491	4
A	WO 97 07198 A (GENETICS INSTITUT) 27 February 1997 see the whole document	1-8
A	WO 97 04097 A (GENETICS INST) 6 February 1997	1-8
A	ADAMS M D ET AL: "3,400 NEW EXPRESSED SEQUENCE TAGS IDENTIFY DIVERSITY OF TRANSCRIPTS IN HUMAN BRAIN" NATURE GENETICS, vol. 4, no. 3, July 1993, pages 256-267, XP000611495 see the whole document	1-8
-/-		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

3 July 1998

Date of mailing of the international search report

30.09.98

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl

Authorized officer

UDDMTC U

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 98/ 06956

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see further information sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see further information sheet, subject 1.

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
GENSET
INTELLECTUAL PROPERTY DEPARTMENT
24 RUE ROYALE
F-75008 PARIS
FRANCE

INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

Applicant's or agent's file reference 56.W01	Date of mailing (day/month/year) 22/06/2000
International application No. PCT/ IB 99/ 02058	International filing date (day/month/year) 20/12/1999
Applicant GENSET et al.	

1. This International Searching Authority

- (i) considers that there are 49 (number of) inventions claimed in the international application covered by the claims indicated ~~XXXX~~ on the extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated ~~XXXX~~ on the extra sheet:

- (ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:
1-30(in part)
- (iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid

2. The applicant is hereby Invited, within the time limit indicated above, to pay the amount indicated below:

EUR 945.00 x 48 = EUR 45.360.00
 Fee per additional invention number of additional inventions total amount of additional fees

Or, _____ x _____ = _____

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. _____ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
F. 31 651 316 316

Authorized officer

Renate Jordan

/o

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-30 (in part)

An isolated nucleic acid comprising the sequence as set forth in Se.id.no.24 of the sequence listing and an aminoacid sequence encoded by the same, having sequence as set forth in Seq.id.no.74. Methods of screening and isolation of said sequences.

2. Claims: 1-30 (in part)

Subjects from 2 to 49:

Same as for subject 1, but referring to the following couples of sequences (respectively DNA and aminoacid):

2: Seq.id.nos.25 and 75.

3: " " " 26 and 76.

...

49: Seq.id.nos.73 and 123.

The application lacks of unity of invention as required by Articles 3(4)(iii) and 17(3)(a) PCT by the following reasons:

The problem underlying the invention of the present application is the provision of a set of cDNAs defined as encoding proteins with signal sequences. The solution is represented by the set of nucleic acid sequences as set forth in Seq.Id.Nos.24-73 and nucleic acid sequences as set forth in Seq.Id.Nos.74-123. The broad concept of proteins having sequences signalling for their secretion is widely known by many examples in the previous art, and particularly in WO9831818 (abstract, examples 2 and 3) and in WO9835437 (see abstract), in which is also disclosed sequences of a secreted protein having 94.5% and 99.2% identity with Seq.Id.No.24 of the application.

Moreover, methods of screening cDNA libraries to specifically isolate sequences encoding for secreted proteins are widely available in the standard literature such as disclosed by Shirozu M. et al. (Genomics 37,273-280, 1996) and by Jacobs K. et al. (Gene 198,284-296, 1997) in which large scale methods to screen and isolate large numbers of cDNAs for secreted proteins are disclosed.

In view of such examples it becomes evident that the concept of proteins having signal sequences cannot be seen as a new inventive concept, that could be shared by the whole set of sequences. The sequences for the proteins claimed are also essentially different, sharing no relevant homology by structures and functions between

themselves (both assigned and predicted function) . Consequently, the requirements for unity of an invention as set forth in Rule 13.1 PCT are not fulfilled. Since in the disclosures of the present application no further special technical feature could be found as a common inventive concept for the claimed inventions, Rule 13.2 PCT also remains unfulfilled.

Therefore, the problem underlying the present application can be consequently redefined as the provision of further cDNA sequences for proteins with signal fragments, each one of the cDNA sequences regrouped as above, being a solution. The search has been carried out only for the first invention, while a search for the other inventions, namely nrs. 2-49, would have required major additional searching efforts.

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
 see 'Invitation to pay additional fees'
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 45437 A (GENETICS INST) 15 October 1998 (1998-10-15) the whole document especially seq.id.no.1506	1-30
X	WO 98 31818 A (HUMAN GENOME SCIENCES INC ; BREWER LAURIE (US); NI JIAN (US); ROSEN) 23 July 1998 (1998-07-23) the whole document especially seq.id.no.1 142	1-30
A	JACOBS K A ET AL: "A GENETIC SELECTION FOR ISOLATING CDNAS ENCODING SECRETED PROTEINS" GENE,NL,ELSEVIER BIOMEDICAL PRESS. AMSTERDAM, vol. 198, 1 October 1997 (1997-10-01), pages 289-296, XP002045919 ISSN: 0378-1119	13-16
A	JACOBS K ET AL: "A NOVEL METHOD FOR ISOLATING EUKARYOTIC CDNA CLONES ENCODING SECRETED PROTEINS" JOURNAL OF CELLULAR BIOCHEMISTRY - SUPPLEMENT, 10 March 1995 (1995-03-10), page 19 XP002027246	13-16
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same state of the art

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SHIROZU M ET AL: "CHARACTERIZATION OF NOVEL SECRETED AND MEMBRANE PROTEINS ISOLATED BY THE SIGNAL SEQUENCE TRAP METHOD" GENOMICS,US,ACADEMIC PRESS, SAN DIEGO, vol. 37, no. 3, 1 November 1996 (1996-11-01), pages 273-280, XP002054773 ISSN: 0888-7543	13-16
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Patent Family Annex

Information on patent family members

International Application No

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